

**OREGON AND WASHINGTON DEPARTMENTS OF FISH AND WILDLIFE**  
**JOINT STAFF REPORT**  
**SUMMER FACT SHEET NO. 1**  
**June 9, 2011**

Fisheries under consideration:	Non-Indian commercial salmon Treaty Indian commercial salmon
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**STOCK STATUS**

***Upper Columbia Summer Chinook***

- Upper Columbia summer Chinook are destined for areas above Priest Rapids Dam. Chinook passing Bonneville Dam during June 16 through July 31 are considered upper Columbia summer Chinook. These Chinook are not listed under the Endangered Species Act (ESA) and the population is considered healthy.
- The 2011 forecast of 91,100 adults to the Columbia River mouth is 126% of the 2010 return of 72,300 adults, and would represent the highest return since at least 1980.
- Based on the 2011 forecast, daily counts at Bonneville Dam are expected to average about 3,100 Chinook per day during June 16-30 and then steadily decrease to 700 fish per day by the end of July. Passage is typically 50% complete by June 28.

***Summer Steelhead***

- Upriver stocks of summer steelhead migrate above Bonneville Dam during April 1 through October 31. Summer steelhead passing Bonneville Dam prior to July 1 are considered Skamania stock, and steelhead passing between July 1 and October 31 are classified as either Group A or Group B fish.
- Steelhead handled in Columbia River fisheries below Bonneville Dam are considered lower river Skamania stock during May-June and upriver stock during July-October.
- An estimated 390,900 upriver summer steelhead are expected to pass Bonneville Dam in 2011, which is 95% of the recent 10-year average of 410,100 fish. Lower river summer steelhead returns have averaged 77,800 fish over the past ten years.
- Bonneville Dam passage during April 1-June 7 totals 3,635 summer steelhead, which is less than expected based on the 2011 forecast and average run timing over the past ten years. The 50% passage date is around June 18 for upriver Skamania stock.

***Sockeye***

- The 2011 sockeye forecast of 161,900 fish to the Columbia River mouth is considered a strong run compared to the 10-year average of 126,000 fish. The forecast includes 33,000 Wenatchee stock, 126,800 Okanogan stock, and 2,100 Snake River stock.
- Bonneville Dam passage through June 7 totals 150 sockeye, which is less than expected based on the 2011 forecast and average run timing over the past ten years. The 50% passage date is around June 24.

## MANAGEMENT GUIDELINES

### ***Management Agreements***

- The 2008-2017 *U.S. v Oregon* Management Agreement (MA) provides specific fishery management guidelines for treaty Indian and non-Indian summer season fisheries.
- The Upper Columbia Management Agreement (UCMA) provides additional harvest and management guidelines for sharing of upper Columbia summer Chinook among non-Indian and non-treaty tribal fisheries.

### ***Summer Chinook***

- Mainstem Columbia River Chinook fisheries occurring from June 16 through July 31 are managed based on a minimum interim escapement goal of 29,000 hatchery and natural origin adult upper Columbia summer Chinook, as measured at the Columbia River mouth. For returns greater than 50,000 the escapement increases relative to the run size.

2008-2017 Upper Columbia Summer Chinook Harvest Rate Schedule		
Run Size at River Mouth	Allowed Treaty Indian Harvest	Allowed Non-Indian Harvest
<5,000	5%	<100 Chinook
5,000-<16,000	5%	<200 Chinook
16,000-<29,000	10%	5%
29,000-<32,000	10%	5%-6%
32,000- <36,250 (125% of 29,000 goal)	10%	7%
36,250-50,000	50% of total harvestable <sup>1</sup>	50% of total harvestable <sup>1</sup>
>50,000	50% of 75% of margin above 50,000 plus 10,500 <sup>2</sup>	
<sup>1</sup> The total number of harvestable fish is defined as the run size minus 29,000 for run sizes of 36,250 to 50,000.		
<sup>2</sup> For the purposes of this Agreement, the total number of harvestable fish at run sizes greater than 50,000 is to be determined by the following formula: (0.75 * (runsize-50,000)) + 21,000.		

### ***Non-Indian Summer Chinook Harvest Allocation***

- Non-Indian fishery allocation includes the following fisheries:

- Recreational fisheries from Astoria/Megler Bridge upstream to Chief Joseph Dam.
- Commercial fisheries below Bonneville Dam (Zones 1-5)
- Ocean fisheries south of Canada.
- Colville and Wanapum tribal fisheries.

- The allocation for non-Indian fisheries is based on the preseason run size forecast, the MA, the UCMA and commission guidance.

- The Colville Tribe has contributed a portion (1,850 adult fish) of their harvestable allocation to non-Indian fisheries, which is incorporated in the allocation table.

<b>2011 Upper Columbia Summer Chinook Allocation</b>		
<b>Preseason Run Size</b>		<b>91,100</b>
Ocean Harvest		3,263
Total Abundance (with ocean harvest)		94,363
Available Treaty Indian Harvest		27,136
Available Non-Indian Harvest (with ocean)		27,136
<b>Available Non-Indian in Columbia River</b>		<b>23,873</b>
<i>Allocated above Priest Rapids Dam</i>	60%	12,524
<i>Allocated below Priest Rapids Dam*</i>	40%	11,349
<b>Recreational below Priest Rapids Dam</b>	50%	<b>5,675</b>
<i>Below Bonneville Dam</i>		4,231
<i>Bonneville Dam to Priest Rapids Dam</i>		1,444
<b>Non-treaty Commercial</b>	50%	<b>5,675</b>
<b>Escapement after fisheries</b>		<b>40,091</b>
*Includes fish provided by Colville Tribe		

### ***Summer Steelhead***

- The non-Indian ESA impact limit on wild summer steelhead is 2% during January through July. For non-Indian fisheries occurring during May and June below Bonneville Dam, wild steelhead impact rates have averaged less than 0.5%, and are expected to be similar for 2011 fisheries.

### ***Sockeye***

- The management goal for upper Columbia River sockeye is 65,000 fish at Priest Rapids Dam, which under average migration conditions requires passage of 75,000 fish over Bonneville Dam. The escapement goal for the Wenatchee River system is 23,000 sockeye.
- The impact limit on the 2011 Columbia River return of ESA-listed sockeye is 1% (1,600 fish) for non-Indian fisheries and 7% (11,300 fish) for treaty Indian fisheries.

## **2011 Treaty Indian Fisheries**

- Based on preseason forecasts and corresponding ESA impact limits, treaty Indian fisheries are allocated a total of 27,136 adult summer Chinook and 11,300 sockeye.
- The platform and hook and line fishery in Zone 6 is ongoing for both commercial and subsistence purposes and expected to continue through the summer season, and does not require Compact action.
- Yakama tributary fisheries are also ongoing, which may include the Little White Salmon River (Drano Lake), and the Wind, White Salmon, Klickitat, and Icicle rivers. These fisheries do not require Compact action.
- The platform and hook and line fishery downstream of Bonneville Dam is currently open under regulations set to expire on June 15. The treaty tribes will re-open this area in accordance with the appropriate MOA or MOU specific to each tribe. This fishery is expected to remain open throughout the summer season.
- Commercial gillnet opening are expected weekly throughout the summer season. Effort is expected to be high the first few weeks of the season, averaging around 400 nets; and then decrease as the season progresses. The tribes may utilize mesh size restrictions if needed.

## **2011 Non Indian Fisheries**

- Non-Indian summer Chinook fisheries were discussed with constituents during the North of Falcon (NOF) and Pacific Fisheries Management Council (PFMC) meetings occurring in March and April. Seasons relating to Columbia River summer salmon fisheries are based on the results of these meetings, management agreements, preseason forecasts, and allocation guidelines.
- Summer Chinook recreational fisheries are scheduled to be open from the Astoria-Megler Bridge upstream to Priest Rapids Dam throughout the entire summer season of June 16 through July 31. The fisheries will be mark-selective for summer Chinook, allowing the retention of adipose fin-clipped hatchery fish only. Sockeye retention will be allowed throughout the summer Chinook season unless the guideline is reached earlier. Recreational

summer Chinook fisheries above Priest Rapids Dam begin July 1 with a daily limit of 3 fish/1 wild Chinook.

- Summer Chinook commercial fisheries will utilize large mesh (8" min.) gear to minimize incidental handle of steelhead. A total of 700 white sturgeon from the commercial allocation were set aside for the summer season. Weekly landing limits will be used to manage catches. Based on the summer Chinook harvest allocation, the fishery is expected to consist of 2-3 fishing periods.

### **FISHERY RECOMMENDATIONS**

<b><i>Treaty Indian Summer Chinook Commercial Fishery</i></b>		
Season	6 AM Thursday June 16 to 6 PM Saturday June 18	(2.5 days)
	6 AM Monday June 20 to 6 PM Thursday June 23	(3.5 hours)
Area	Zone 6	
Sanctuaries:	No Spring Creek sanctuary necessary	
Gear:	Gill nets. No mesh restriction.	
Allowable Sales:	Salmon, steelhead, shad, yellow perch, bass, walleye, catfish and carp may be sold or retained for subsistence. Sturgeon may not be sold, but sturgeon from 43 to 54 inches fork length in The Dalles and John Day Pools and from 38 to 54 inches fork length in the Bonneville Pool may be kept for subsistence purposes. Sales of fish caught during open gillnet periods are allowed after the end of the open period, as long as the fish were landed during the open period.	
Additional:	24-hour quick reporting rule is in effect for Washington buyers.	

- The expected harvest in the first two commercial gillnet openings is up to 12,000 Chinook and 5,000 sockeye. Catch projections are based on 2010 catch rates assuming approximately 400 nets. Catches may be less if expected high water conditions impact fishing.
- Catch is expected to remain well within the treaty harvest limits. Additional weekly openers are anticipated. Catch and effort will be monitored to ensure the fishery remains within management limits.

<b><i>Treaty Indian Summer Chinook Fishery Below Bonneville Dam</i></b>		
Season	6 AM Thursday June 16 until further notice – During days of week as defined by each tribe's MOU/MOA	
Area	Downstream of Bonneville Dam – as defined by each tribe's MOU/MOA	
Gear:	Hook and line or as defined by each tribe's MOU/MOA	
Allowable Sales:	Salmon, steelhead, shad, yellow perch, bass, walleye, catfish and carp may be sold or retained for subsistence. Sturgeon may not be retained for any purpose. No commercial sales are allowed on COE property at Bonneville Dam. Fish must be transported elsewhere prior to sale.	
Additional:	24-hour quick reporting rule is in effect for Washington buyers.	

- Catch and effort is expected to be modest downstream of Bonneville Dam, as typical for the summer season. The tribes will continue to monitor catch and effort to ensure the fishery remains within management limits.

<i><b>Non-Indian Summer Chinook Commercial Fishery</b></i>		
Season	9 PM Thursday June 16 to 5 AM Friday June 17, 2011	(8 hours)
	9 PM Wednesday June 22 to 5 AM Thursday June 23, 2011	(8 hours)
Area	Zones 1-5	
Sanctuaries:	Grays River, Elokommin-A, Cowlitz River, Kalama-A, Lewis-A, Washougal and Sandy Rivers as applicable.	
Gear:	Drift gill nets. 8-inch minimum mesh size.	
Multi- Net Rule:	Nets not specifically authorized for use in this fishery may be onboard the vessel if properly stored. A properly stored net is defined as a net on a drum that is fully covered by a tarp (canvas or plastic) and bound with a minimum of ten revolutions of rope with a diameter of 3/8 (0.375) inches or greater.	
Allowable Sales:	Chinook, sockeye, white sturgeon, and shad. A maximum of five white sturgeon may be possessed or sold by each participating vessel during each calendar week (Sunday through Saturday) that the fishery is open. Limit applies to mainstem only. Select Areas remain open under a two white sturgeon weekly retention limit.	
Additional:	A 24-hour quick reporting rule is in effect for Washington buyers.	

- Catch is expected to remain within the commercial allocation of 5,675 adult Chinook. Pre-season discussions with the commercial industry included a goal to harvest no more than 50% (2,850 fish) of the commercial allocation on the first opener.
- Effort is expected to be high (~125 deliveries), with an average catch expectation of 2,500 Chinook per period. River conditions may impede catch, so catch projections may be high.
- Nighttime fishing will minimize commercial interactions with sport fishers and other recreational boaters.

#### **FUTURE MEETINGS**

- A Compact during the week of June 20 will likely be necessary to consider additional commercial fisheries.
- A fall Compact hearing is scheduled for 10 AM July 29 in Astoria (location to be determined).

<i>Columbia River Mouth Adult Fish Returns Actual and Forecasts**</i>					
			2010 Forecast	2010 Return	2011 Forecast
<b>Spring Chinook</b>	<b>Total Spring Chinook</b>		<b>559,900</b>	<b>470,850</b>	<b>331,800</b>
	Willamette		62,700	110,500	104,100
	Sandy		3,700	8,100	5,500
	Cowlitz*		12,500	8,900	6,600
	Kalama*		900	750	600
	Lewis*		6,000	2,800	3,400
	Select Areas		4,100	24,500	13,200
	<b>Lower River total</b>		<b>89,900</b>	<b>155,550</b>	<b>133,400</b>
	Wind*		14,000	10,000	4,900
	Drano Lake*		28,900	24,400	12,600
	Klickitat*		4,500	1,900	2,100
	Yakima*		16,600	11,000	10,300
	Upper Columbia	Total	57,300	38,100	22,400
	<i>Upper Columbia</i>	<i>Wild</i>	<i>5,700</i>	<i>3,100</i>	<i>2,000</i>
	Snake River	Total	272,000	169,800	91,100
	Spring/Summer				
	<i>Snake River</i>	<i>Wild</i>	<i>73,400</i>	<i>35,600</i>	<i>24,700</i>
	<b>Upriver Total</b>		<b>470,000</b>	<b>315,300</b>	<b>198,400</b>
<b>Summer Chinook</b>	<b>Upper Columbia</b>	<b>Total</b>	<b>88,800</b>	<b>72,300</b>	<b>91,100</b>
<b>Fall Chinook</b>	LRH - Lower River	Hatch.	85,600	102,950	128,600
	LRW - Lower River	Wild	10,000	10,900	13,100
	BPH - Bonneville Pool	Hatch.	162,900	130,800	116,400
	URB - Upriver Bright		319,200	324,900	399,600
	<i>Snake River Wild</i>	<i>Wild</i>	<i>5,300</i>	<i>15,400</i>	<i>17,500</i>
	MCB - Mid Col. Bright		74,500	78,950	100,300
	<i>BUB - Bonn. Upr. Br.</i>	<i>Hatch.</i>	<i>30,200</i>	<i>28,750</i>	<i>36,600</i>
	<i>LRB - L. River Br.</i>	<i>Wild</i>	<i>900</i>	<i>600</i>	<i>1,100</i>
	<i>PUB - Pool Upr. Br.</i>	<i>Hatch.</i>	<i>43,400</i>	<i>49,600</i>	<i>62,600</i>
	SAB - Select Area Br.	Hatch.	12,700	8,600	8,300
	<b>Total Fall Chinook</b>		<b>664,900</b>	<b>657,100</b>	<b>766,300</b>
<b>Coho</b>	Early stock		188,000	231,950	168,500
	Late stock		98,600	209,100	102,300
	<b>Total Coho</b>		<b>286,600</b>	<b>441,050</b>	<b>270,800</b>
<b>Sockeye</b>	Wenatchee		14,300	66,300	33,000
	Okanogan		110,300	318,900	126,800
	Snake River	<i>Wild</i>	<i>600</i>	<i>2,600</i>	<i>2,100</i>
	<b>Total Sockeye</b>		<b>125,200</b>	<b>387,900</b>	<b>161,900</b>
<b>Steelhead Winter</b>	Wild winter steelhead	Wild	20,100	20,000	15,200
<b>Upriver Summer</b> (to Bonneville Dam)	Upriver Skamania Index	<b>Total</b>	<b>16,400</b>	<b>29,300</b>	<b>24,100</b>
		<i>Wild</i>	<i>3,300</i>	<i>10,400</i>	<i>6,400</i>
	Group A-run Index	<b>Total</b>	<b>337,500</b>	<b>304,000</b>	<b>312,700</b>
		<i>Wild</i>	<i>107,000</i>	<i>120,500</i>	<i>92,700</i>
	Group B-run Index	<b>Total</b>	<b>99,100</b>	<b>77,100</b>	<b>54,100</b>
		<i>Wild</i>	<i>14,300</i>	<i>22,400</i>	<i>12,900</i>
	<b>Total Upriver Steelhead</b>	<b>Total</b>	<b>453,000</b>	<b>410,500</b>	<b>390,900</b>
		<i>Wild</i>	<i>124,600</i>	<i>153,300</i>	<i>112,000</i>

\*Return to tributary mouth

\*\*Totals may not sum due to rounding; forecasts not available for all upriver spring Chinook tributaries.